Name:

p1103: Expand Product of Linear Binomials (v9)

Question 1

Expand the product of linear binomials. $(x + 5)(x - 8)$

$$x^2 - 8x + 5x - 40$$

$$x^2 - 3x - 40$$

Question 2

Expand the product of linear binomials. $(x + 3)(x + 5)$

$$x^2 + 5x + 3x + 15$$

$$x^2 + 8x + 15$$

Question 3

Expand the product of linear binomials. $(x + 9)(x - 9)$

$$x^2 - 9x + 9x - 81$$

$$x^2 - 81$$

Question 4

Expand the product of linear binomials. $(5x + 6)(2x - 2)$

$$10x^2 - 10x + 12x - 12$$

$$10x^2 + 2x - 12$$

Question 5

Expand the product of linear binomials. $(-3x + 6)(-5x - 9)$

$$15x^2 + 27x - 30x - 54$$

$$15x^2 - 3x - 54$$

Question 6

Expand the product of linear binomials. $(x-1)(x+9)$

$$x^2+9x-x-9$$

$$x^2+8x-9$$

Question 7

Expand the product of linear binomials. $(3x+1)(-x-7)$

$$-3x^2-21x-x-7$$

$$-3x^2-22x-7$$

Question 8

Expand the product of linear binomials. $(x-1)(x+7)$

$$x^2+7x-x-7$$

$$x^2+6x-7$$

Question 9

Expand the product of linear binomials. $(-7x-6)(9x+5)$

$$-63x^2-35x-54x-30$$

$$-63x^2-89x-30$$

Question 10

Expand the product of linear binomials. $(7x-4)(6x+3)$

$$42x^2+21x-24x-12$$

$$42x^2-3x-12$$